

INVISIBLE AND POWERFUL DOWNLIGHT FOR A SEAMLESS INTEGRATION WITH ARCHITECTURE



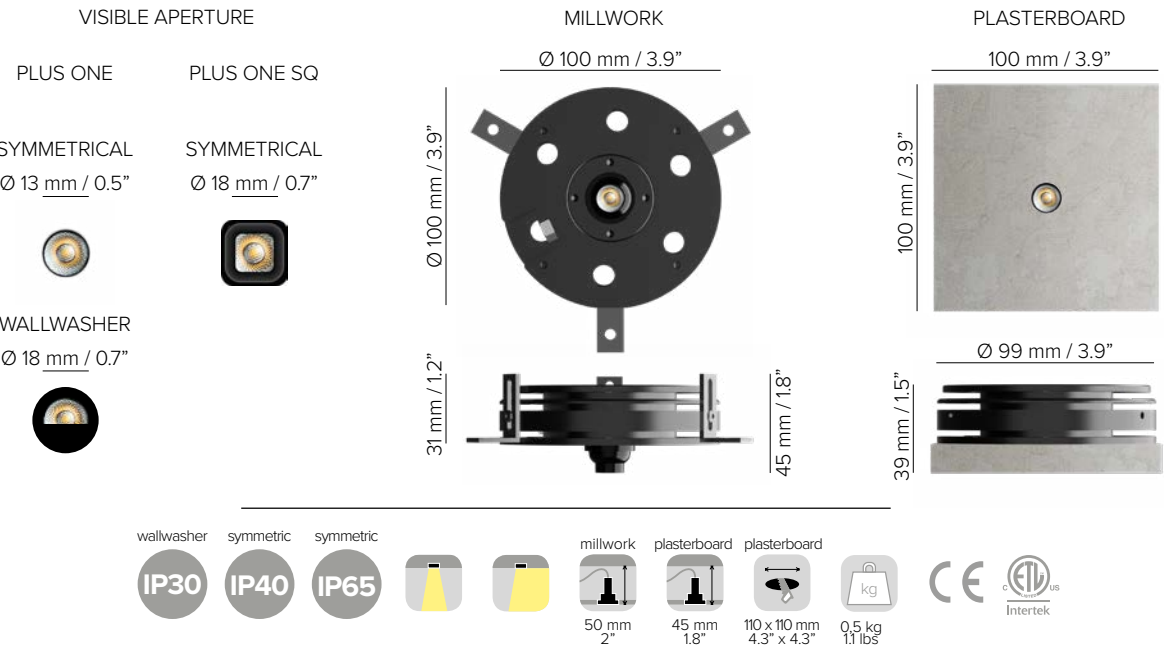
INVISIBLE AND POWERFUL DOWNLIGHT FOR A SEAMLESS INTEGRATION WITH ARCHITECTURE

PLUS ONE / PLUS ONE SQ



SPECIFICATIONS

base code	PLUS ONE: 64069 - PLUS ONE SQ: 64070
typology	Invisible dot hiding a powerful minimal glare downlight with symmetrical or wallwasher light distribution
mounting	In wood or composite material from above the ceiling using height adjustable brackets or in plasterboard from below the ceiling using mounting frame to be separately ordered
width	100 mm / 3.9"
height	Millwork: 45 mm / 1.8". Plasterboard: 39 mm / 1.5"
required depth	Millwork: 50 mm / 2". Plasterboard: 45 mm / 1.8"
cealing cut out	Platerboard: 110x110 mm / 4.3x4.3". Millwork read the installation manual
construction	Fixture and flange: turning and milling aluminum. Lens: PMMA. Cap: polycarbonate
finishes	Heat sink anodized
ingress protection	Wallwasher: IP30. North America dry location Symmetrical: IP40 or IP65. North America damp or wet location
lamp type	LED array on printed circuit board. Remote power supply not included
lamp wattage	10W at 24V DC. For Yacht operating voltage 20V-30V. North America Type Non-IC : 9.5W at 1050mA (symmetrical), 8W at 900mA (wallwasher), 6.5W at 700mA (wallwasher 2200K). Vf 9V DC North America Type IC : 8W at 900mA (symmetrical), 7W at 800mA (wallwasher), 6.5W at 700mA (wallwasher 2200K). Vf 9V DC
lamp lumens	Symmetrical: 1015lm. Wallwasher: 700lm
delivered lumens	Symmetrical: 549lm (20°) - 590lm (40°). Wallwasher: 444lm
lumen maintenance	50.000h L90
beam	PLUS ONE: 20°, 40° or wallwasher (downlight 25° and wallwasher) PLUS ONE SQ: 20°, 40°
kelvin	2200K CRI90, 2700K CRI93, 3000K CRI93 or 4000K CRI93 / 3 step MacAdam ellipse
special features	Protection against wrong connections. Two wires dimming. The wallwasher offers longitudinal cut-off and delivers homogeneous light from the upper edge of the wall to the floor with no visible dark zones
dimming options	Push button, potentiometer, 0-10V, DALI, DMX, KNX. Dimming options depend on power supply and additional control units to be separately ordered as accessories
standards	CE, ETL listed for wet location





ONLY THE LIGHT: 40° BEAM

PLUS ONE

BASE CODE

64069

A . POWER SUPPLY

2 24V DC (20V - 30V)
FOR YACHT ONLY
power supply
NOT included



9 24V DC
power supply
NOT included

U listed
700/900/1050mA
power supply
NOT included

B . KELVIN

4 4000K CRI93

5 3000K CRI93

8 2700K CRI93

D 2200K CRI90

C . BEAM

2 spot 20°

5 flood 40°

C black
wallwasher



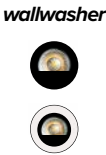
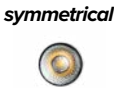
Example: BASE CODE
64069 A B C D E F
2 5 5 2 B A = 64069-2552BA

D . FINISHES

2 black

6 white¹
RAL 9003

¹WALLWASHER
BEAM ONLY



E . INGRESS PROTECTION

wallwasher

A IP30

symmetrical

B IP40

C IP65

F . INSTALLATION

A millwork

B plasterboard



PLUS ONE SQ

ORDER CODE

BASE CODE

64070

A . POWER SUPPLY

2 24V DC (20V - 30V)
FOR YACHT ONLY
power supply
NOT included



9 24V DC
power supply
NOT included

U listed
700/900/1050mA
power supply
NOT included

B . KELVIN

4 4000K CRI93

5 3000K CRI93

8 2700K CRI93

D 2200K CRI90

C . BEAM

2 spot 20°

5 flood 40°



Example: BASE CODE
64070 A B C D E F
2 5 5 2 B A = 64069-2552BA

D . FINISHES

2 black
RAL 9005

6 white
RAL 9003



E . INGRESS PROTECTION

B IP40

C IP65

F . INSTALLATION

A millwork

B plasterboard

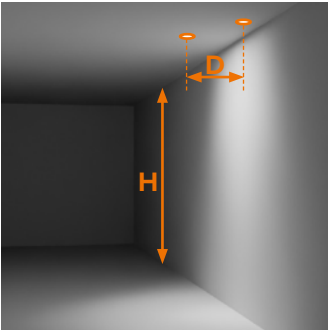


INSTALLATION GUIDE FOR WALLWASHER

FOR A GOOD UNIFORMITY OF LIGHT ON THE WALL, FOLLOW THESE RULES:

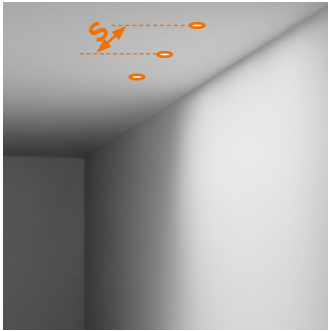
1

The **distance from the wall D** shall be minimum $H / 5$ and maximum $H / 3$



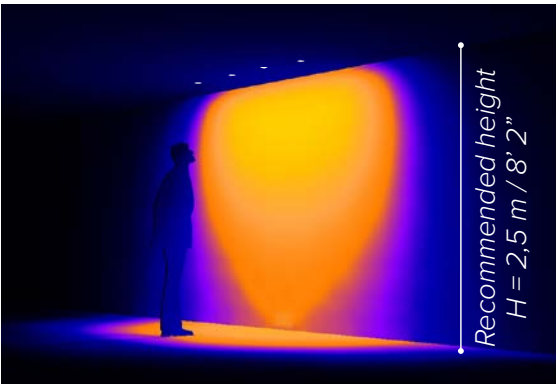
2

The **spacing between luminaires S** shall be minimum the distance **D** from the wall and maximum twice the distance **D x 2** from the wall



PLUS ONE
10W, 500lm delivered

H 2,5 m 8' 2"	D _{MIN} 0,5 m 1' 7"	S _{MIN} 0,5 m 1' 7"
		S _{MAX} 1 m 3' 3"
	D _{MAX} 0,8 m 2' 7"	S _{MIN} 0,8 m 2' 7"
		S _{MAX} 1,6 m 5' 3"



20lx 50lx 100lx 200lx

WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



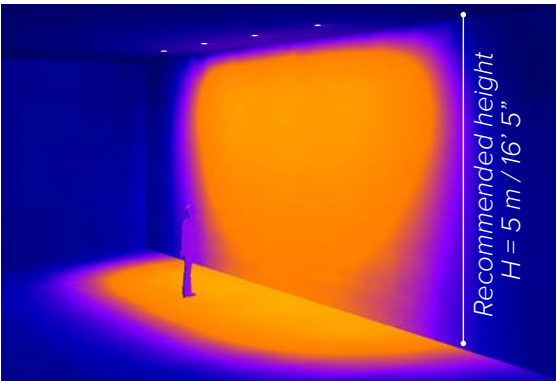
INSIDE 120 R
23W, 2025lm delivered

SEE PAGE 393



ATRIA X3 R
23W, 2025lm delivered

SEE PAGE 465



WALLWASHER OPTIONS



INSIDE 75 R
10W, 790lm delivered

SEE PAGE 379



ATRIA XS R
10W, 790lm delivered

SEE PAGE 443



INSIDE 60 R
6W, 570lm delivered

SEE PAGE 373



ATRIA 60 P
6W, 570lm delivered

SEE PAGE 437



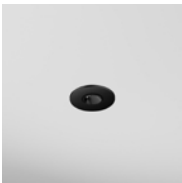
INSIDE 40 R
4W, 220lm delivered

SEE PAGE 365



DOT 45
4W, 220lm delivered

SEE PAGE 429



DOT 30
1,5W, 40lm delivered

SEE PAGE 423



20lx 50lx 100lx 200lx

Since every project is different, use this installation guide as a starting point for your lighting design.
To further test the desired effect on your project, use the **photometric files** available on B LIGHT's website.



WALLWASHER BEAM (DOWNLIGHT 25° AND WALLWASHER) AND 40° BEAM

PLUS ONE / PLUS ONE SQ



MOUNTING

MILLWORK

- 1 CEILING CUT OUT**
Make the cut out on the ceiling
(*READ INSTALLATION INSTRUCTIONS*)



- 2 LUMINAIRE MOUNTED FROM ABOVE THE CEILING**
Using brackets

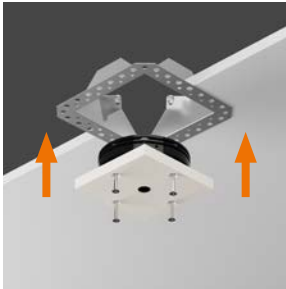


- 3 MAINTENANCE**
Remove luminaire from above the ceiling

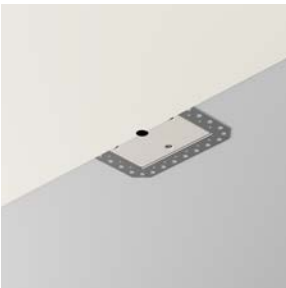


PLASTERBOARD

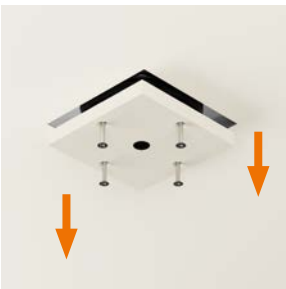
- 1 LUMINAIRE MOUNTED FROM BELOW THE CEILING USING MOUNTING FRAME CODE 69558**
Install the mounting frame from below. Insert the luminaire and secure it using the four screws
(*READ INSTALLATION INSTRUCTIONS*)



- 2 PLASTER, SAND AND PAINT**

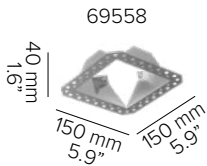


- 3 MAINTENANCE**
Cut the plaster and remove the luminaire by unscrew the screws



ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED



Power supply
24V DC, ON/OFF*

Power supply
24V DC, 1-10V¹⁾

Class 2 power supply
24V DC



code	description				dimensions mm	
69558	mounting frame for plasterboard				L150xW150xH40	
code	output power	input voltage	frequency	IP	dimensions mm	through cut out
69041	18W	198-264V	50-60Hz	IP20	L124xW42xH30	NO
69054	60W	90-305V	50-60Hz	IP67	L160xW40xH32	NO
69052	100W	90-264V	50-60Hz	IP20	L200xW69xH35	NO
69062	60W	90-305V	50-60Hz	IP67	L171xW62xH37	NO
69063	100W	90-305V	50-60Hz	IP67	L220xW68xH39	NO

¹⁾for a perfect dimming, it is necessary that the power supply is saturated to 100%

Consult **B LIGHT North America**
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